Garret D Stuber

List of Publications by Year in Descending Order

112 papers	13,289 citations	51 h-index	115 g-index
127 ext. papers	16,070 ext. citations	14.5 avg, IF	6.54 L-index

#	Paper	IF	Citations
112	PACAP-expressing neurons in the lateral habenula diminish negative emotional valence.. *Genes, Brain and Behavior*, **2022**, e12801	3.6	1
111	Gene expression changes following chronic antipsychotic exposure in single cells from mouse striatum.. *Molecular Psychiatry*, **2022**,	15.1	2
110	Relative salience signaling within a thalamo-orbitofrontal circuit governs learning rate. *Current Biology*, **2021**, 31, 5176-5191.e5	6.3	3
109	Transcriptional and functional divergence in lateral hypothalamic glutamate neurons projecting to the lateral habenula and ventral tegmental area. *Neuron*, **2021**, 109, 3823-3837.e6	13.9	3
108	The learning of prospective and retrospective cognitive maps within neural circuits. *Neuron*, **2021**, 109, 3552-3575	13.9	2
107	An endogenous opioid circuit determines state-dependent reward consumption. *Nature*, **2021**, 598, 646-651	50.4	3
106	Cue and Reward Evoked Dopamine Activity Is Necessary for Maintaining Learned Pavlovian Associations. *Journal of Neuroscience*, **2021**, 41, 5004-5014	6.6	1
105	Illuminating subcortical GABAergic and glutamatergic circuits for reward and aversion. *Neuropharmacology*, **2021**, 198, 108725	5.5	2
104	Developments from Bulk Optogenetics to Single-Cell Strategies to Dissect the Neural Circuits that Underlie Aberrant Motivational States. *Cold Spring Harbor Perspectives in Medicine*, **2020**,	5.4	5
103	A Distributed Neural Code in the Dentate Gyrus and in CA1. *Neuron*, **2020**, 107, 703-716.e4	13.9	36
102	Heterogeneous Habenular Neuronal Ensembles during Selection of Defensive Behaviors. *Cell Reports*, **2020**, 31, 107752	10.6	14
101	What Should I Eat and Why? The Environmental, Genetic, and Behavioral Determinants of Food Choice: Summary from a Pennington Scientific Symposium. *Obesity*, **2020**, 28, 1386-1396	8	2
100	Interoceptive Inception in Insula. *Neuron*, **2020**, 105, 959-960	13.9	3
99	Social Stimuli Induce Activation of Oxytocin Neurons Within the Paraventricular Nucleus of the Hypothalamus to Promote Social Behavior in Male Mice. *Journal of Neuroscience*, **2020**, 40, 2282-2295	6.6	40
98	Persistent activation of central amygdala CRF neurons helps drive the immediate fear extinction deficit. *Nature Communications*, **2020**, 11, 422	17.4	12
97	Transcriptional and Spatial Resolution of Cell Types in the Mammalian Habenula. *Neuron*, **2020**, 106, 743-758.e5	13.9	37
96	Manipulations of Central Amygdala Neurotensin Neurons Alter the Consumption of Ethanol and Sweet Fluids in Mice. *Journal of Neuroscience*, **2020**, 40, 632-647	6.6	35

95	Prepronociceptin-Expressing Neurons in the Extended Amygdala Encode and Promote Rapid Arousal Responses to Motivationally Salient Stimuli. *Cell Reports*, **2020**, 33, 108362	10.6	13
94	Paraventricular Thalamus Projection Neurons Integrate Cortical and Hypothalamic Signals for Cue-Reward Processing. *Neuron*, **2019**, 103, 423-431.e4	13.9	68
93	Single-cell activity tracking reveals that orbitofrontal neurons acquire and maintain a long-term memory to guide behavioral adaptation. *Nature Neuroscience*, **2019**, 22, 1110-1121	25.5	45
92	Central Amygdala Prepronociceptin-Expressing Neurons Mediate Palatable Food Consumption and Reward. *Neuron*, **2019**, 102, 1037-1052.e7	13.9	41
91	Amygdala Arginine Vasopressin Modulates Chronic Ethanol Withdrawal Anxiety-Like Behavior in the Social Interaction Task. *Alcoholism: Clinical and Experimental Research*, **2019**, 43, 2134-2143	3.7	7
90	Genome-wide association study identifies eight risk loci and implicates metabo-psychiatric origins for anorexia nervosa. *Nature Genetics*, **2019**, 51, 1207-1214	36.3	303
89	A Paranigral VTA Nociceptin Circuit that Constrains Motivation for Reward. *Cell*, **2019**, 178, 653-671.e19	56.2	37
88	Obesity remodels activity and transcriptional state of a lateral hypothalamic brake on feeding. *Science*, **2019**, 364, 1271-1274	33.3	58
87	Primary Cilia Signaling Promotes Axonal Tract Development and Is Disrupted in Joubert Syndrome-Related Disorders Models. *Developmental Cell*, **2019**, 51, 759-774.e5	10.2	32
86	Phasic Dopamine Signals in the Nucleus Accumbens that Cause Active Avoidance Require Endocannabinoid Mobilization in the Midbrain. *Current Biology*, **2018**, 28, 1392-1404.e5	6.3	47
85	Overlapping Brain Circuits for Homeostatic and Hedonic Feeding. *Cell Metabolism*, **2018**, 27, 42-56	24.6	142
84	Social Isolation Co-opts Fear and Aggression Circuits. *Cell*, **2018**, 173, 1071-1072	56.2	6
83	Efficient and accurate extraction of in vivo calcium signals from microendoscopic video data. *ELife*, **2018**, 7,	8.9	232
82	Hormonal gain control of a medial preoptic area social reward circuit. *Nature Neuroscience*, **2017**, 20, 449-458	25.5	146
81	Prefrontal cortex output circuits guide reward seeking through divergent cue encoding. *Nature*, **2017**, 543, 103-107	50.4	208
80	ERK/MAPK Signaling Is Required for Pathway-Specific Striatal Motor Functions. *Journal of Neuroscience*, **2017**, 37, 8102-8115	6.6	31
79	Functional circuit mapping of striatal output nuclei using simultaneous deep brain stimulation and fMRI. *NeuroImage*, **2017**, 146, 1050-1061	7.9	17
78	Coordination of Brain-Wide Activity Dynamics by Dopaminergic Neurons. *Neuropsychopharmacology*, **2017**, 42, 615-627	8.7	37

77	Role of a Lateral Orbital Frontal Cortex-Basolateral Amygdala Circuit in Cue-Induced Cocaine-Seeking Behavior. *Neuropsychopharmacology*, **2017**, 42, 727-735	8.7	32
76	Locus coeruleus to basolateral amygdala noradrenergic projections promote anxiety-like behavior. *ELife*, **2017**, 6,	8.9	116
75	Cholinergic Coercion of Synaptic States for Motivational Memories. *Neuron*, **2016**, 90, 914-6	13.9	
74	Lateral hypothalamic circuits for feeding and reward. *Nature Neuroscience*, **2016**, 19, 198-205	25.5	254
73	Loss of UBE3A from TH-expressing neurons suppresses GABA co-release and enhances VTA-NAc optical self-stimulation. *Nature Communications*, **2016**, 7, 10702	17.4	42
72	Lateral Hypothalamic Area Glutamatergic Neurons and Their Projections to the Lateral Habenula Regulate Feeding and Reward. *Journal of Neuroscience*, **2016**, 36, 302-11	6.6	169
71	Physiological state gates acquisition and expression of mesolimbic reward prediction signals. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 1943-8	11.5	44
70	Visualization of cortical, subcortical and deep brain neural circuit dynamics during naturalistic mammalian behavior with head-mounted microscopes and chronically implanted lenses. *Nature Protocols*, **2016**, 11, 566-97	18.8	158
69	Functional Magnetic Resonance Imaging of Electrical and Optogenetic Deep Brain Stimulation at the Rat Nucleus Accumbens. *Scientific Reports*, **2016**, 6, 31613	4.9	23
68	Multimodal Signal Integration for Feeding Control. *Cell*, **2016**, 165, 522-3	56.2	2
67	Cell-Type-Specific Optogenetics in Monkeys. *Cell*, **2016**, 166, 1366-1368	56.2	
66	The habenula. *Current Biology*, **2016**, 26, R873-R877	6.3	60
65	Considerations when using cre-driver rodent lines for studying ventral tegmental area circuitry. *Neuron*, **2015**, 85, 439-45	13.9	76
64	Optogenetics in Freely Moving Mammals: Dopamine and Reward. *Cold Spring Harbor Protocols*, **2015**, 2015, 715-24	1.2	7
63	Maternally responsive neurons in the bed nucleus of the stria terminalis and medial preoptic area: Putative circuits for regulating anxiety and reward. *Frontiers in Neuroendocrinology*, **2015**, 38, 65-72	8.9	26
62	Mesolimbic dopamine dynamically tracks, and is causally linked to, discrete aspects of value-based decision making. *Biological Psychiatry*, **2015**, 77, 903-911	7.9	76
61	In vivo calcium imaging to illuminate neurocircuit activity dynamics underlying naturalistic behavior. *Neuropsychopharmacology*, **2015**, 40, 238-9	8.7	35
60	Optogenetic versus electrical stimulation of dopamine terminals in the nucleus accumbens reveals local modulation of presynaptic release. *Journal of Neurochemistry*, **2015**, 134, 833-44	6	45

59	Visualizing hypothalamic network dynamics for appetitive and consummatory behaviors. *Cell*, **2015**, 160, 516-27	56.2	320
58	Cartography of serotonergic circuits. *Neuron*, **2014**, 83, 513-5	13.9	9
57	The role of the medial prefrontal cortex in regulating social familiarity-induced anxiolysis. *Neuropsychopharmacology*, **2014**, 39, 1009-19	8.7	21
56	Inhibition of projections from the basolateral amygdala to the entorhinal cortex disrupts the acquisition of contextual fear. *Frontiers in Behavioral Neuroscience*, **2014**, 8, 129	3.5	48
55	Optical suppression of drug-evoked phasic dopamine release. *Frontiers in Neural Circuits*, **2014**, 8, 114	3.5	17
54	Similar roles of substantia nigra and ventral tegmental dopamine neurons in reward and aversion. *Journal of Neuroscience*, **2014**, 34, 817-22	6.6	170
53	Activation of prefrontal cortical parvalbumin interneurons facilitates extinction of reward-seeking behavior. *Journal of Neuroscience*, **2014**, 34, 3699-705	6.6	70
52	PTEN knockdown alters dendritic spine/protrusion morphology, not density. *Journal of Comparative Neurology*, **2014**, 522, 1171-90	3.4	39
51	Molecular Adaptations in Mesolimbic Circuitry and Pathological Ethanol Intake **2014**, 65-81		
50	Amygdala and bed nucleus of the stria terminalis circuitry: Implications for addiction-related behaviors. *Neuropharmacology*, **2014**, 76 Pt B, 320-8	5.5	97
49	Tools for resolving functional activity and connectivity within intact neural circuits. *Current Biology*, **2014**, 24, R41-R50	6.3	44
48	Optogenetic strategies to investigate neural circuitry engaged by stress. *Behavioural Brain Research* , **2013**, 255, 19-25	3.4	56
47	Ventromedial prefrontal cortex pyramidal cells have a temporal dynamic role in recall and extinction of cocaine-associated memory. *Journal of Neuroscience*, **2013**, 33, 18225-33	6.6	59
46	The inhibitory circuit architecture of the lateral hypothalamus orchestrates feeding. *Science*, **2013**, 341, 1517-21	33.3	300
45	Integrating optogenetic and pharmacological approaches to study neural circuit function: current applications and future directions. *Pharmacological Reviews*, **2013**, 65, 156-70	22.5	12
44	New insights on neurobiological mechanisms underlying alcohol addiction. *Neuropharmacology*, **2013**, 67, 223-32	5.5	58
43	Cortical operation of the ventral striatal switchboard. *Neuron*, **2013**, 78, 6-7	13.9	1
42	Distinct extended amygdala circuits for divergent motivational states. *Nature*, **2013**, 496, 224-8	50.4	474

41	A unique population of ventral tegmental area neurons inhibits the lateral habenula to promote reward. *Neuron*, **2013**, 80, 1039-53	13.9	246
40	Hypothalamic neurotensin projections promote reward by enhancing glutamate transmission in the VTA. *Journal of Neuroscience*, **2013**, 33, 7618-26	6.6	118
39	Binge ethanol-drinking potentiates corticotropin releasing factor R1 receptor activity in the ventral tegmental area. *Alcoholism: Clinical and Experimental Research*, **2013**, 37, 1680-7	3.7	27
38	Optogenetic stimulation of VTA dopamine neurons reveals that tonic but not phasic patterns of dopamine transmission reduce ethanol self-administration. *Frontiers in Behavioral Neuroscience*, **2013**, 7, 173	3.5	65
37	Synaptic and behavioral profile of multiple glutamatergic inputs to the nucleus accumbens. *Neuron*, **2012**, 76, 790-803	13.9	453
36	Food for thought: attenuation of dopamine signaling by insulin (commentary on Mebel et al.). *European Journal of Neuroscience*, **2012**, 36, 2335	3.5	
35	Optogenetic strategies to dissect the neural circuits that underlie reward and addiction. *Cold Spring Harbor Perspectives in Medicine*, **2012**, 2,	5.4	19
34	Activation of VTA GABA neurons disrupts reward consumption. *Neuron*, **2012**, 73, 1184-94	13.9	385
33	Optogenetic modulation of neural circuits that underlie reward seeking. *Biological Psychiatry*, **2012**, 71, 1061-7	7.9	89
32	Presynaptic inhibition of gamma-aminobutyric acid release in the bed nucleus of the stria terminalis by kappa opioid receptor signaling. *Biological Psychiatry*, **2012**, 71, 725-32	7.9	102
31	Activation of lateral habenula inputs to the ventral midbrain promotes behavioral avoidance. *Nature Neuroscience*, **2012**, 15, 1105-7	25.5	362
30	Analysis of Neuronal Circuits with Optogenetics. *Neuromethods*, **2012**, 207-223	0.4	
29	Optogenetic Strategies for the Treatment of Neuropsychiatric Disorders: Circuit-Function Analysis and Clinical Implications **2012**, 241-252		
28	Construction of implantable optical fibers for long-term optogenetic manipulation of neural circuits. *Nature Protocols*, **2011**, 7, 12-23	18.8	266
27	Recombinase-driver rat lines: tools, techniques, and optogenetic application to dopamine-mediated reinforcement. *Neuron*, **2011**, 72, 721-33	13.9	493
26	Excitatory transmission from the amygdala to nucleus accumbens facilitates reward seeking. *Nature*, **2011**, 475, 377-80	50.4	602
25	Optogenetic interrogation of dopaminergic modulation of the multiple phases of reward-seeking behavior. *Journal of Neuroscience*, **2011**, 31, 10829-35	6.6	264
24	micro-Opioid receptor endocytosis prevents adaptations in ventral tegmental area GABA transmission induced during naloxone-precipitated morphine withdrawal. *Journal of Neuroscience*, **2010**, 30, 3276-86	6.6	30

23	Neuroplastic alterations in the limbic system following cocaine or alcohol exposure. *Current Topics in Behavioral Neurosciences*, **2010**, 3, 3-27	3.4	57
22	Dissecting the neural circuitry of addiction and psychiatric disease with optogenetics. *Neuropsychopharmacology*, **2010**, 35, 341-2	8.7	17
21	Dopaminergic terminals in the nucleus accumbens but not the dorsal striatum corelease glutamate. *Journal of Neuroscience*, **2010**, 30, 8229-33	6.6	381
20	Neural encoding of cocaine-seeking behavior is coincident with phasic dopamine release in the accumbens core and shell. *European Journal of Neuroscience*, **2009**, 30, 1117-27	3.5	102
19	Phasic firing in dopaminergic neurons is sufficient for behavioral conditioning. *Science*, **2009**, 324, 1080-4	33.3	897
18	Rapid strengthening of thalamo-amygdala synapses mediates cue-reward learning. *Nature*, **2008**, 453, 1253-7	50.4	165
17	Voluntary ethanol intake enhances excitatory synaptic strength in the ventral tegmental area. *Alcoholism: Clinical and Experimental Research*, **2008**, 32, 1714-20	3.7	108
16	Reward-predictive cues enhance excitatory synaptic strength onto midbrain dopamine neurons. *Science*, **2008**, 321, 1690-2	33.3	443
15	Preferential enhancement of dopamine transmission within the nucleus accumbens shell by cocaine is attributable to a direct increase in phasic dopamine release events. *Journal of Neuroscience*, **2008**, 28, 8821-31	6.6	380
14	Extinction of cocaine self-administration reveals functionally and temporally distinct dopaminergic signals in the nucleus accumbens. *Neuron*, **2005**, 46, 661-9	13.9	371
13	Rapid dopamine signaling in the nucleus accumbens during contingent and noncontingent cocaine administration. *Neuropsychopharmacology*, **2005**, 30, 853-63	8.7	183
12	Dynamic gain control of dopamine delivery in freely moving animals. *Journal of Neuroscience*, **2004**, 24, 1754-9	6.6	134
11	Dopamine operates as a subsecond modulator of food seeking. *Journal of Neuroscience*, **2004**, 24, 1265-71	6.6	559
10	Subsecond dopamine release promotes cocaine seeking. *Nature*, **2003**, 422, 614-8	50.4	904
9	Overoxidation of carbon-fiber microelectrodes enhances dopamine adsorption and increases sensitivity. *Analyst, The*, **2003**, 128, 1413-9	5	284
8	Real-time measurements of phasic changes in extracellular dopamine concentration in freely moving rats by fast-scan cyclic voltammetry. *Methods in Molecular Medicine*, **2003**, 79, 443-64		71
7	Food restriction modulates amphetamine-conditioned place preference and nucleus accumbens dopamine release in the rat. *Synapse*, **2002**, 46, 83-90	2.4	53
6	Prepronociceptin expressing neurons in the extended amygdala encode and promote rapid arousal responses to motivationally salient stimuli		1

5	Heterogeneous habenular neuronal ensembles during selection of defensive behaviors	1
4	Manipulations of central amygdala neurotensin neurons alter the consumption of ethanol and sweet fluids in mice	1
3	A distributed neural code in the dentate gyrus and in CA1	4
2	Transcriptional and Spatial Resolution of Cell Types in the Mammalian Habenula	5
1	An endogenous opioid circuit determines state-dependent appetitive behavior	1